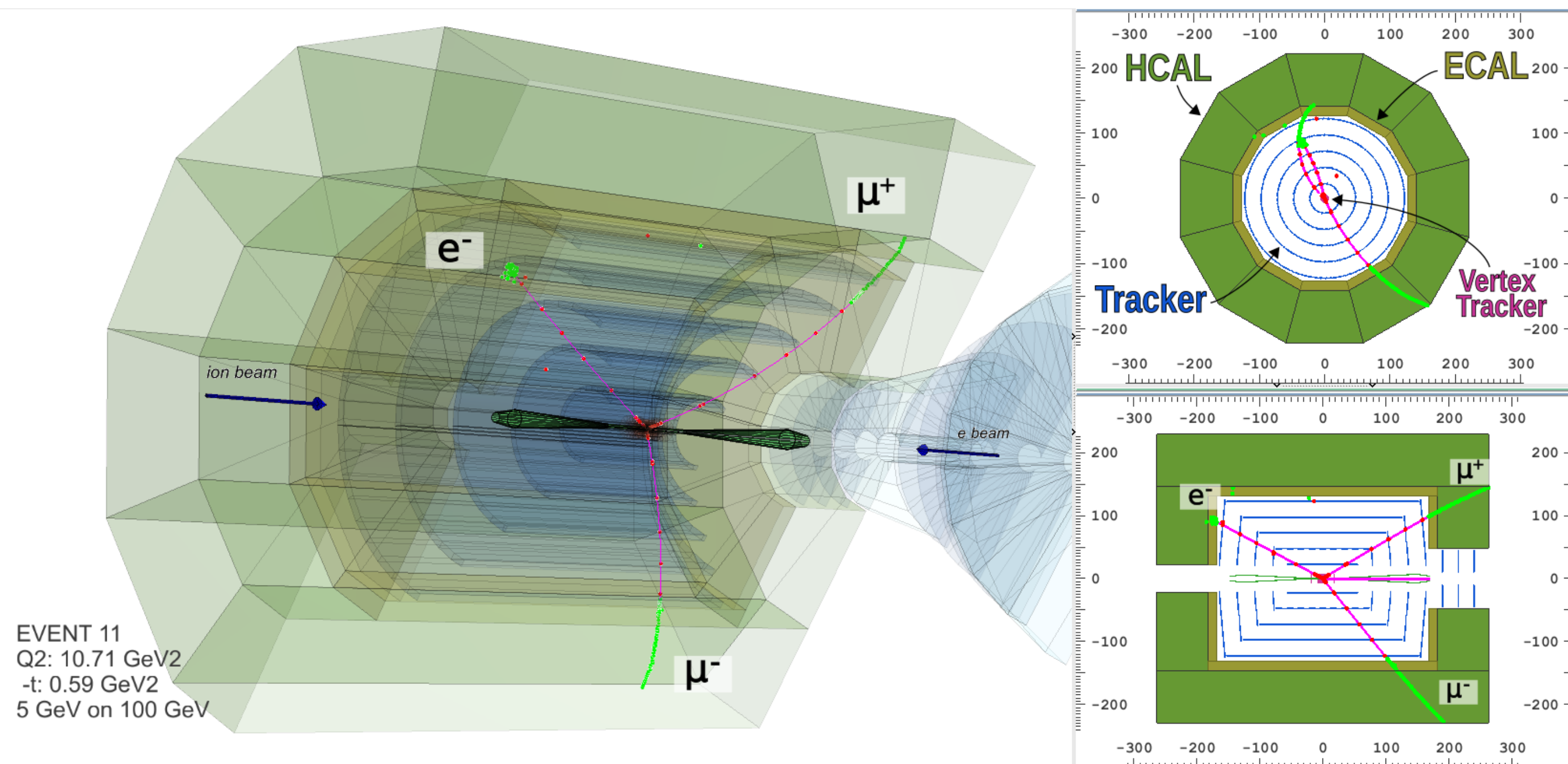


TOPSIDE STATUS AND OUTLOOK



► Software stack in good shape

- ✓ Detector simulation implemented through DD4HEP
- ✓ Digitization implemented
- (ongoing) Tracking with GENFIT, intend to migrate to ACTS
- Use key EIC physics goals to benchmark detector performance
- Investigate use of ML techniques to accelerate closed-loop optimizations

► Our strategy for TOPSiDE

- (ongoing) Prove viability of concept through closed-loop simulation/reconstruction.
- Optimize TOPSiDE for key EIC physics milestones
- Release software stack when implementation complete
- Possible to support TOPSiDE in other YR software afterwards

► Our team

